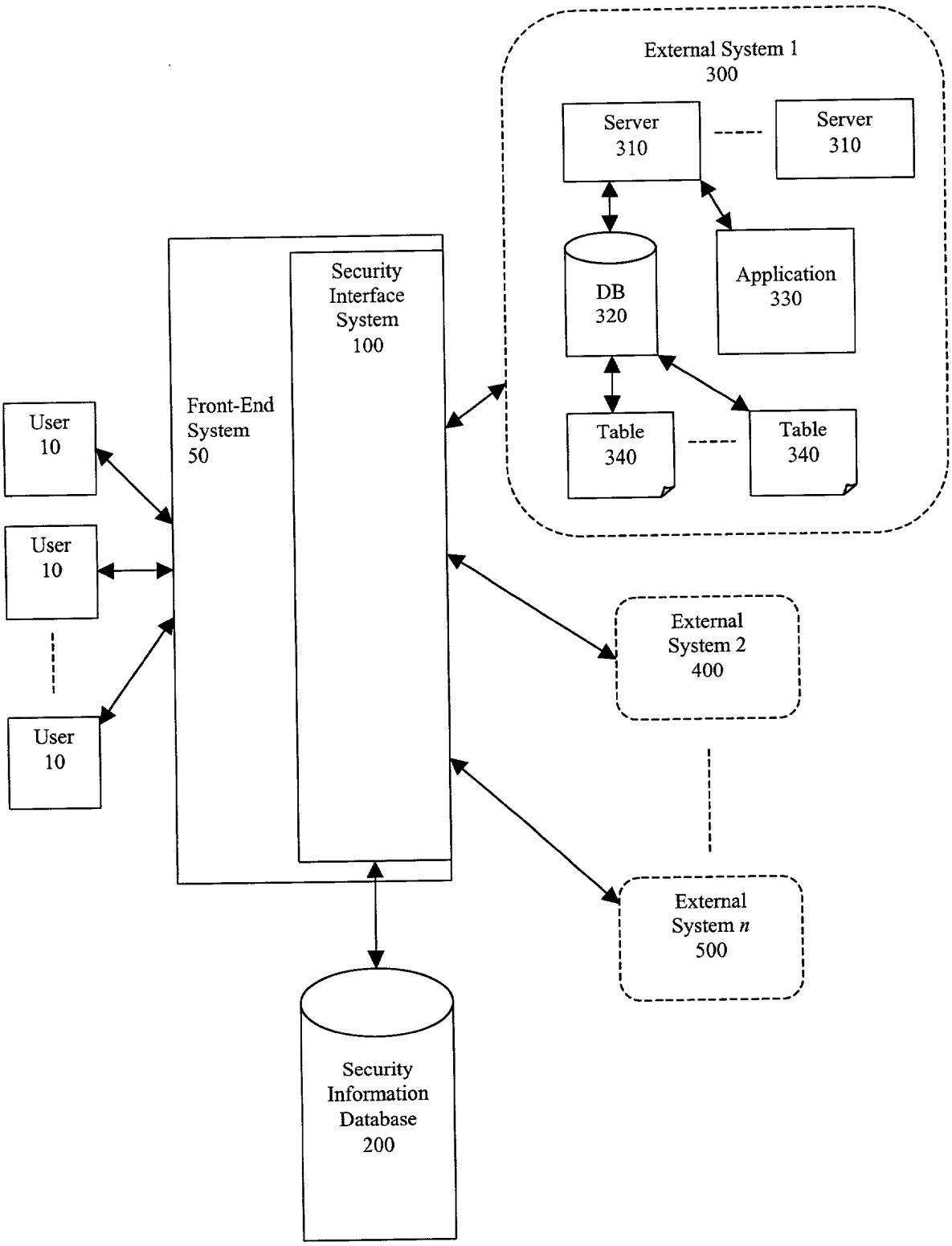
External System 1
300
Server
310
Server
310
DB
320
Application
330
Table
340
Table
340
Security
Interface
System
100
Front-End
System
50
User
10
User
10
User
10
External
System 2
400
External
System n
500
Security
Information
Database
200

Fig. 1

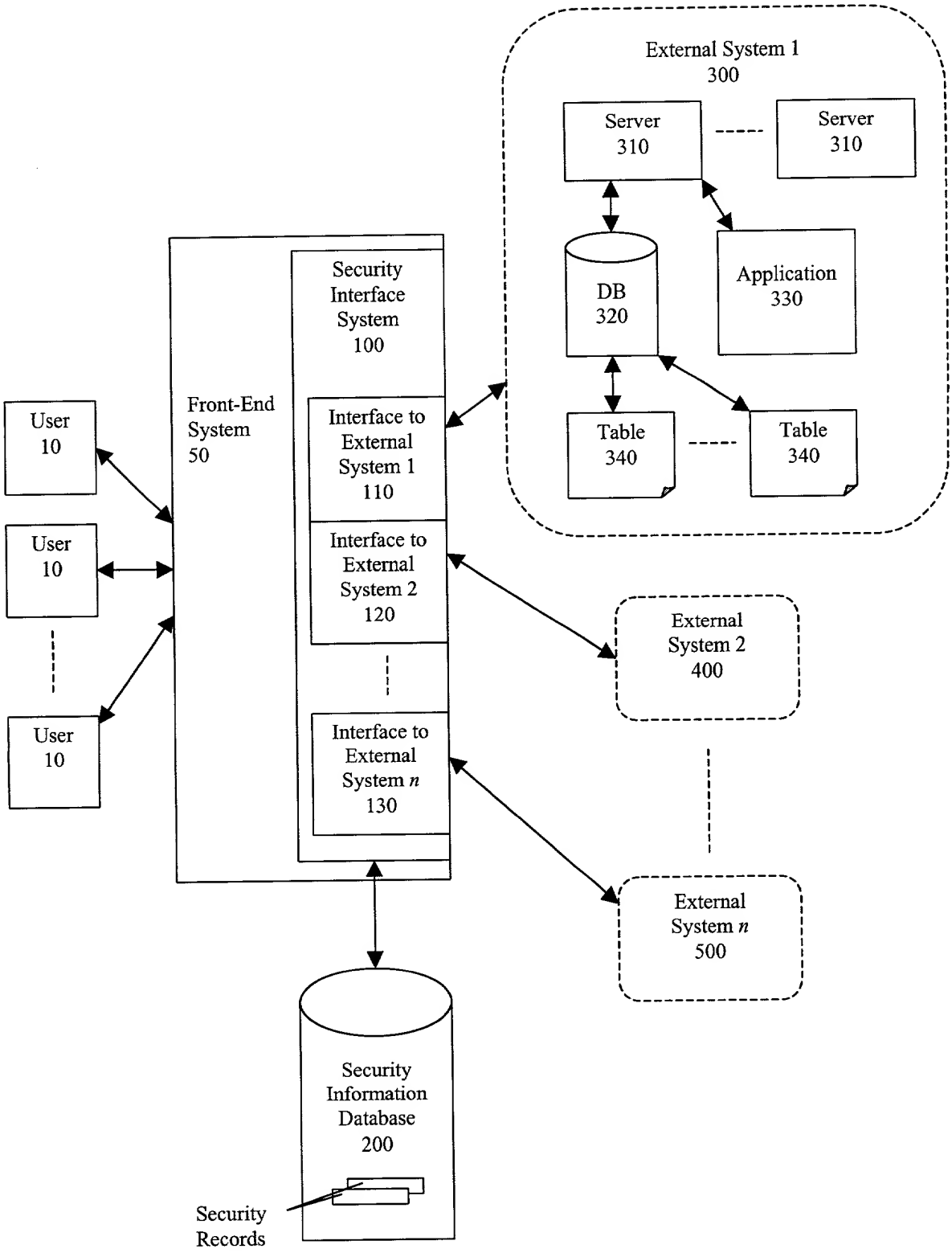
External System 1
300
Server
310
Server
310
DB
320
Application
330
Table
340
Table
340
Security
Interface
System
100
Front-End
System
50
User
10
User
10
User
10
Interface to
External
System 1
110
Interface to
External
System 2
120
Interface to
External
System n
130
External
System 2
400
External
System n
500
Security
Information
Database
200
Security
Records

Fig. 2

Rec #	FES ID	Target Computer Resource Identity				Security Information	
		System	Server	Database	Table	User ID	Password
2	John Smith	DB/2	COMP05			temp	999999
7	John Smith	DB/2	COMP01	FINANCIALS01		jsmith	433525
34	John Smith	SAP	COMP03	RECEIVABLES01	DEC	sj7943	662532
48	John Smith	Domino				js	7342

Fig. 3

Request	FES ID	Resource Identification Information			
		System	Server	Database	Table
A	John Smith	DB/2	COMP01	FINANCIALS01	JAN
B	John Smith	Domino	COMP03	RECEIVABLES01	DEC
C	John Smith	DB/2	COMP05	PAYABLES97	

Fig. 7

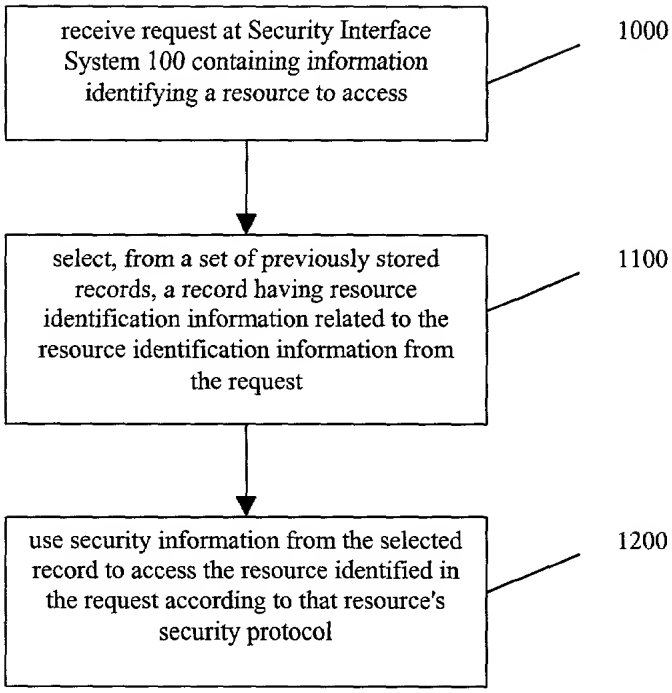
receive request at Security Interface System 100 containing information identifying a resource to access
1000
select, from a set of previously stored records, a record having resource identification information related to the resource identification information from the request
1100
use security information from the selected record to access the resource identified in the request according to that resource's security protocol
1200

Fig. 4

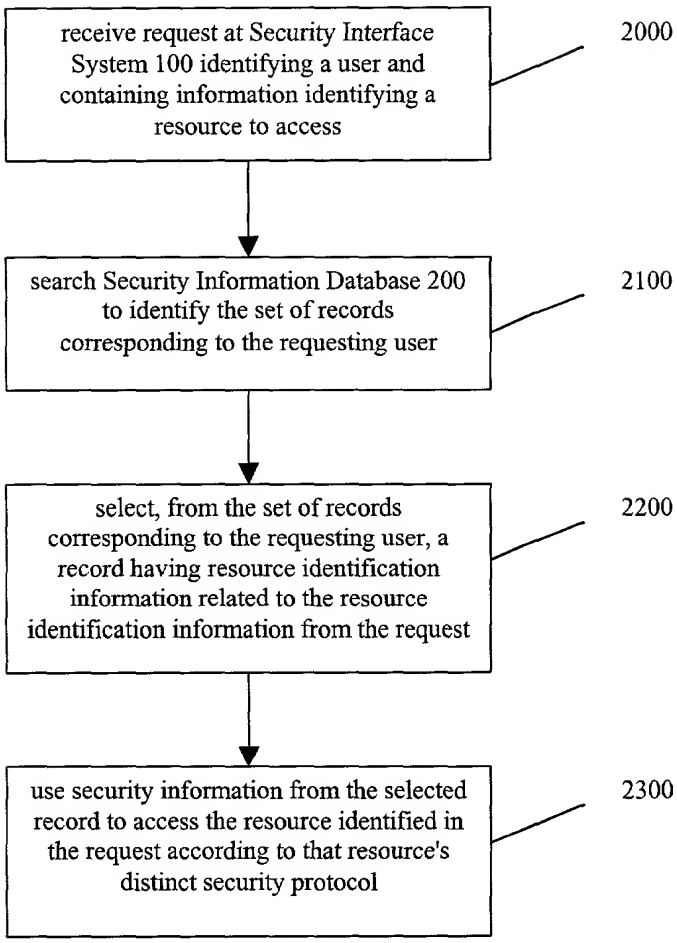
receive request at Security Interface System 100 identifying a user and containing information identifying a resource to access
2000
search Security Information Database 200 to identify the set of records corresponding to the requesting user
2100
select, from the set of records corresponding to the requesting user, a record having resource identification information related to the resource identification information from the request
2200
use security information from the selected record to access the resource identified in the request according to that resource's distinct security protocol
2300

Fig. 5

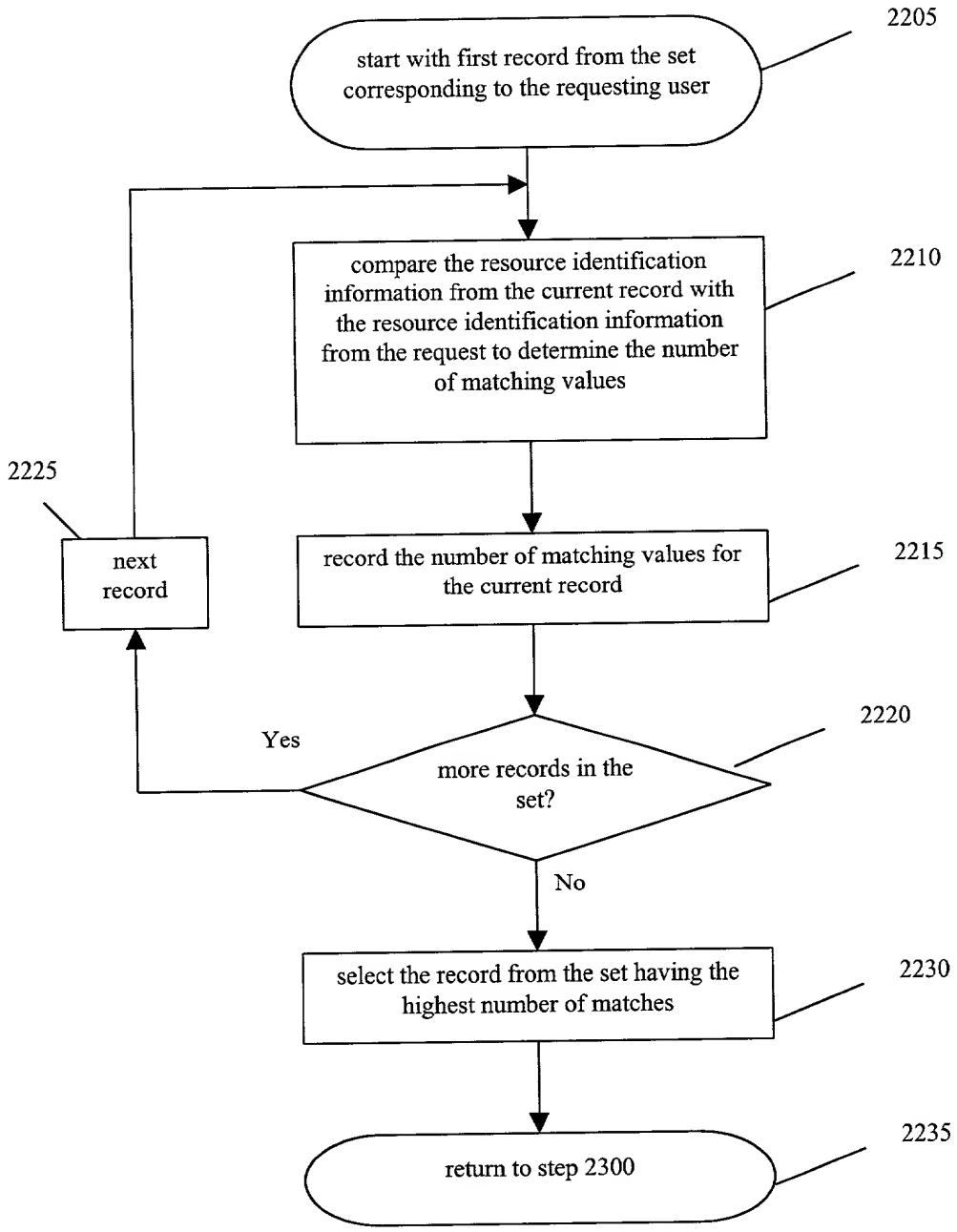
start with first record from the set corresponding to the requesting user
2205
compare the resource identification information from the current record with the resource identification information from the request to determine the number of matching values
2210
record the number of matching values for the current record
2215
more records in the set?
2220
Yes
No
next record
2225
select the record from the set having the highest number of matches
2230
return to step 2300
2235

Fig. 6A

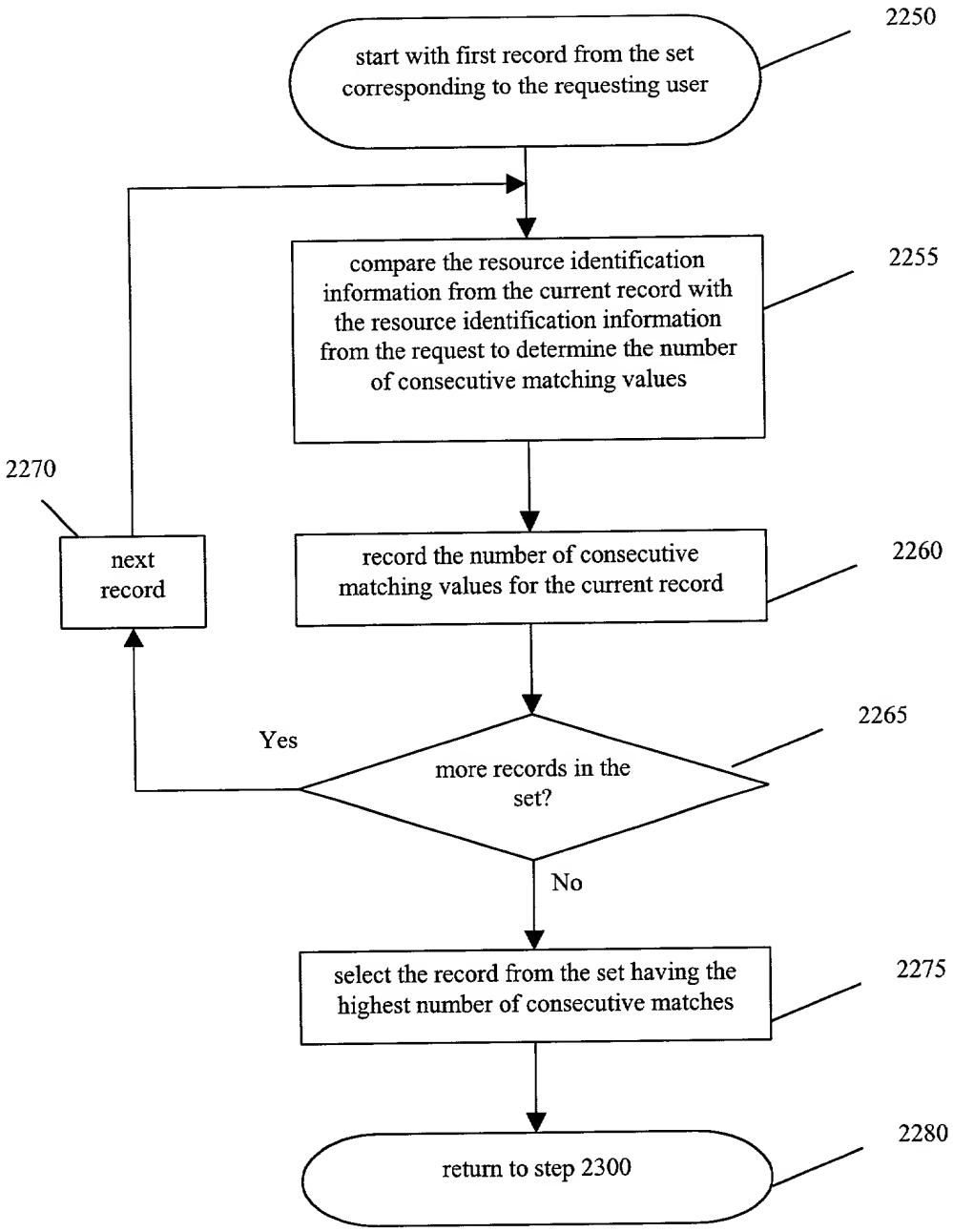
start with first record from the set corresponding to the requesting user
2250
compare the resource identification information from the current record with the resource identification information from the request to determine the number of consecutive matching values
2255
record the number of consecutive matching values for the current record
2260
more records in the set?
2265
Yes
No
next record
2270
select the record from the set having the highest number of consecutive matches
2275
return to step 2300
2280

Fig. 6B